

Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 00614-136003	Application No. 10/831,182
	Applicant Patrizio Vinciarelli		
	Filing Date Here with 3/28/04	Group Art Unit 2816	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
Kan	AA	4,648,017	03/03/87	Nerone			
	AB	4,841,220	06/20/89	Tabisz et al.			
	AC	4,860,184	08/22/89	Tabisz et al.			
	AD	4,931,716	06/05/90	Jovanovic et al.			
	AE	4,855,888	08/08/89	Henze et al.			
	AF	5,615,093	03/25/97	Nalbant			
	AG	4,533,986	08/06/85	Jones			
	AH	4,853,832	08/01/89	Stuart			
	AI	5,999,417	12/07/99	Schlecht			
	AJ	6,222,742	04/24/01	Schlecht			
	AK	5,448,467	09/05/95	Ferreira			
	AL	5,179,512	01/12/93	Fisher et al.			
	AM	5,514,921	05/07/96	Steigerwald			
	AN	6,330,169	12/11/01	Mullett et al.			
	AO	5,991,171	11/23/99	Cheng			
	AP	6,381,150	04/30/02	Telefus			
	AQ	3,596,165	07/27/71	Andrews			
	AR	5,594,635	01/14/97	Gegner			
	AS	5,491,388	02/13/96	Nobuyuki et al.			
	AT	4,443,840	04/17/84	Geissler et al.			
	AU	5,615,093	03/25/97	Nalbant			
	AV	4,533,986	08/06/85	Jones			

Foreign Patent Documents or Published Foreign Patent Applications								
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	AW						Yes	No
	AX							

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							Yes	No
	AY							
	AZ							
	AAA							

Other Documents (include Author, Title, Date, and Place of Publication)		
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Faw	ABB	Harriman, Intel Corp., "New Control Method Boosts Multiphase Bandwidth," Power Electronics Technology, January 2003, pp. 36-45.
	ACC	Morrison et al., "A New Modulation Strategy for a Buck-Boost Input AC/DC Converter," IEEE Transactions on Power Electronics, Vol. 16, No. 1, pp. 34-45, January 2001.
	ADD	Tabisz et al., "Present and Future of Distributed Power Systems," APEC '92 Conference Proceedings, 1992, pp. 11-18.
	AEE	Mweene et al., "A High-Efficiency 1.5 kW, 390-50V Half-Bridge Converter Operated at 100% Duty Ratio," APEC '92 Conference Proceedings, 1992, pp. 723-730.
	AFF	Choi et al., "Dynamics and Control of DC-to-DC Converters Driving Other Converters Downstream," IEEE Transactions on Circuits and Systems - I: Fundamental Theory and Applications, October 1999, pp. 1240-1248
	AGG	Lee et al., "Topologies and Design Considerations for Distributed Power Systems Applications," Proceedings of the IEEE, June 2001, pp. 939-950.
	AHH	Steigerwald, "A Comparison of Half-Bridge Resonant Converter Topologies," IEEE Transactions on Power Electronics, Vol. 2, No. 2, April, 1988.
	AII	Baker, "High Frequency Power Conversion with FET-Controlled Resonant Charge Transfer," PCI Proceedings, April 1983.
	AJJ	Divan, "Design Considerations for Very High Frequency Resonant Mode DC/DC Converters," IEEE Transactions on Power Electronics, Vol. PE-2, No. 1, January, 1987.
	AKK	Bo Yang et al., "LLC Resonant Converter for Front End DC-DC Conversion," CPES Seminar 2001, Blacksburg, VA, April 23, 2001, pp. 44-48.
	ALL	Bo Yang et al., "Low Q Characteristic of Series Resonant Converter and Its Application," CPES Seminar 2001, Blacksburg, VA, April 23, 2001, pp. 170-173.
	AMM	Palz, "Stromversorgung von Satelliten - Wanderfeldröhren hoher Leistung" ("Power Supply for Satellites - High Capacity Traveling-Wave Tubes"), Siemens Zeitschrift, Vol. 48, 1974, pp. 840-846. (with English Translation)
	ANN	Data sheet, "Preliminary Tech Spec, Narrow Input, Isolated DC/DC Bus Converter," SynQor Document No. 005-2BQ512J, Rev. 7, August, 2002, pp. 1-7.
	AOO	Erickson and Maksimovic, "Fundamentals of Power Electronics," 2 <sup>nd</sup> Edition, Kluwer Academic Publishers, 2001.
	APP	Hua et al., "Novel Zero-Voltage Transition PWM Converters," IEEE Transactions on Power Electronics, Vol. 9, No. 2, March, 1994, p. 605.
✓	AQQ	Vinciarelli, Buck-Boost DC-DC Switching Power Conversion," U.S. Patent Application No. 10/214,859, filed August 8, 2002. [00614-129001]

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15m	ARR	Colson, "Intel Platform Solutions," Issue 23, September 3, 1999, pp. 1, 20-21.
	ASS	Reynolds, "Intel Development Forum Highlights: Fall 1999," published by Gartner, Dataquest, November 30, 1999.
	ATT	Strassberg, "Tiny Titans: Choose 'Em and Use 'Em With Care," EDN Magazine, May 2, 2002, pp. 41-42, 44, 46 & 48.
	AUU	Morrison, "Distributed Power Moves to Intermediate Voltage Bus", Electronic Design Magazine, September 16, 2002, pp. 55, 58, 60 & 62.
	AVV	Yao et al., "A Novel Resonant Gate Driver for High Frequency Synchronous Buck converters," IEEE Transactions on Power Electronics, Vol. 17, No. 2, March 2002, pp. 180-186.
	AWW	Stanford, "New Processors Will Require New Powering Technologies," Power Electronics Technology Magazine, February 2002, pp. 32-42.
	AXX	Balogh, "Distributing On-Card Power - Choosing the Right Board-Level Architecture for a Range of Power Needs", Texas Instruments, High-Performance Analog, Apec '03, Miami, FL, pp. 1-24.
	AYY	Ren et al., "A Novel Simple and High Efficiency 'DC/DC Transformer'," Center for Power Electronics Systems, CPES Seminar 2002, Blacksburg, VA, April 14, 2002, pp. 173-177.
	AZZ	Weinberg et al., "A New Zero Voltage and Zero Current Power-Switching Technique," IEEE Transactions on Power Electronics, Vol. 7, No. 4, October 1992, pp. 655-665.
	AAAA	Miller, "The Use of Resonant Circuits in Power Conditioning Equipment," PCSC '71 Record, 1971, pp. 94-100.
	ABBB	Schwarz, "A Method of Resonant Current Pulse Modulation for Power Converters," IEEE Transactions on Industrial Electronics and Control Instrumentation, Vol. 4, No. 4, October 1989, pp. 209-221.
	ACCC	Ray et al., "A Cascaded Schwarz Converter for High Frequency Power Distribution," IEEE Transactions on Power Electronics, Vol. 4, No. 4, October 1989, pp. 478-485.
	ADDD	Schmidtner, "A New High Frequency Resonant Converter Topology," HFPC, May 1988 Proceedings, pp. 390-403.
	ABEE	Batarseh, "Resonant Converter Topologies with Three and Four Energy Storage Elements," IEEE Transactions on Power Electronics, Vol. 9, No. 1, January 1994, pp. 64-73.
	AFFF	Ye et al., "Investigation of Topology Candidates for 48V VRM," 2002 APEC Conference.
	AGGG	Alou et al., "Buck + Half Bridge (d=50%) Topology Applied to Very Low Voltage Converters," Applied Power Electronics Conference and Exposition, APEC 2001, Vol. 2, pp. 715-721.
	AHHH	Ren et al., "Two-Stage 48V Power Pod Exploration for 64-Bit Microprocessor," Applied Power Electronics Conference and Exposition, 2003, Vol. 1.
	AIII	"SynQor's Bus Converter delivers 240 Watts in Quarter-brick," SynQor Press Release, August 2, 2002.
	AJJJ	Severns and Bloom, "Modern DC-to-DC Switchmode Power Conversion Circuits, 'DC Transformers'" ISBN 0-442-21396-4, pp. 78-111, 1985.
	AKKK	Severns et al., "Modern DC-to-DC Switchmode Power Converter Circuits, 'Buck-Derived Circuits,'" ISBN 0-442-21396-4, pp. 114-117, 1985.
✓	ALLL	Severns et al., "Modern DC-to-DC Switchmode Power Converter Circuits, 'Boost-Derived Circuits,'" ISBN 0-442-21396-4, pp. 136-139, 1985.

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km	AMMM	Morrison, "Distributed Power: Novel Architecture Yields New Dc-Dc Building Blocks", Electronic Design, Vol. 51, No. 9, pp. 40-42, April 28, 2003.
	ANNN	Stephens, Inc. Investment Bankers, Industry Notes, "Newly Released Integrated Dc-Dc Converter Products Signal Start of a Trend", May 8, 2003.
	AOOO	Stephens, Inc. Investment Bankers, Research Bulletin, "Vicor Unveils "Disruptive" Technology", May 6, 2003.
	APPP	<a href="http://www.elecdesign.com">www.elecdesign.com</a> Electronic Design, "More Compact Than The Intermediate Voltage Bus", April 28, 2003.
	AQQQ	<a href="http://www.elecdesign.com">www.elecdesign.com</a> Electronic Design, "V.1 Chips May Challenge VRMs", April 28, 2003.
✓	ARRR	<a href="http://www.planetEE.com">www.planetEE.com</a> Electronic Design, "Mixing And Matching FPA Building Blocks", April 28, 2003.

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